H01Q1/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01V H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Х	US 4 617 518 A (SRNKA LEONARD J) 14 October 1986 (1986-10-14) column 4, line 27 - column 5, line 41 column 8, lines 25-66 figures 1,2	1,3-9, 18,21-35	
A		10-17, 19,20	
X	WO 03/034096 A (SINHA MARTIN C; MACGREGOR LUCY M (GB); UNIV SOUTHAMPTON (GB)) 24 April 2003 (2003-04-24)	1,2,4-9, 18,24, 25, 28-30, 33-35	
	page 2, line 15 – page 3, line 16 figures 1,2	33-35	
A		10-17, 19-23, 26,27	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but	 "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
later than the priority date claimed	*&* document member of the same patent family
Date of the actual completion of the International search 7 October 2004	Date of mailing of the International search report 13/10/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Kruck, P

INTERNATIONAL SEARCH REPORT

Application No T/GB2004/003267

(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 236 211 B1 (WYNN JEFFREY C) 22 May 2001 (2001-05-22)	1,4-6,9, 18,21, 22,25, 32-35
	column 3, line 56 - column 4, line 58 column 5, line 27 - line 54 figures 1,2	
X	US 2003/050759 A1 (CARAZZONE JAMES J ET AL) 13 March 2003 (2003-03-13)	1,4, 15-17, 33-35
	paragraph '0046! figure 5	
X	US 4 298 840 A (BISCHOFF JUERGEN H ET AL) 3 November 1981 (1981-11-03) column 2, line 29 - column 3, line 15 figures 1-3	1,4,7-9, 33-35
		

INTERNATIONAL SEARCH REPORT

Information on patent family members

Application No F/GB2004/003267

	Patent document cited in search report		Publication date	Patent family member(s)		Publication date	
US 4	4617518	A	14-10-1986	AU ES FR GB JP NL NO	3571784 8606671 2555322 2155182 60135783 8403541 844614	A1 A1 A A	30-05-1985 01-10-1986 24-05-1985 18-09-1985 19-07-1985 17-06-1985 22-05-1985
WO 0	03034096	A	24-04-2003	GB EP WO	2381137 1436645 03034096	A1	23-04-2003 14-07-2004 24-04-2003
US 6	6236211	B1	22-05-2001	NONE			
US 2	2003050759	A1	13-03-2003	BR CA EP WO	0211611 2458170 1433090 03025803	A1 A1	24-08-2004 27-03-2003 30-06-2004 27-03-2003
US 4	4298840	Α	03-11-1981	GB AU AU CA DK EP NO NZ	1588495 527685 4716879 1130385 203179 0005872 791652 190474	B2 A A1 A ,B, A1 A ,B,	23-04-1981 17-03-1983 22-11-1979 24-08-1982 20-11-1979 12-12-1979 20-11-1979 31-05-1982